CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24 Date:21.06.2023

# TEST REPORT ON CEMENT

| | |
|---|---|
| Client | : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore |
| Agency | : **Sri. Raghunath B P(Goutham Construction)** Contractor, Bangalore |
| Name of Work | Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore |
| Sample ID: | : Cement (Birla Super 53 grade OPC) |
| Sample Supplied by: | : AGENCY |
| Date of Manufacture: | :May - 2023 |
| Date of Testing | 19.06.2023 to 21.06.2023 |

| Sl.No | Descriptions | Test Method as per IS | Test Result | Requirements as per IS: 269:2015 |
|---|---|---|---|---|
| 1 | a) Initial Setting Time | IS-4031 (Part - 5):1988(RA 2014) | 125 Minutes | Not Less than 30 Minutes |
| | b) Final Setting Time | IS-4031 (Part - 5):1988(RA 2014) | 350 Minutes | Not More than 600 Minutes |
| 2 | Soundness | IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method | 1 mm | Not more than 10 mm |
| 3 | Standard Consistency | IS-4031 (Part -4) | 29.00% | - |

A.E.E.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24 Date 21.06.2023

# TEST REPORT ON COARSE AGGREGATES

nt : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

ncy : **Sri. Raghunath B P(Goutham Construction)** Contractor, Bangalore

me of Work Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

ate of Testing 21.06.2023

S Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 |
|---|---|---|---|---|---|
| 40 | 0 | 0 | 0 | 100 | 100 |
| 20 | 215 | 4.3 | 4.3 | 95.7 | 95-100 |
| 10 | 2874 | 57.5 | 61.8 | 38.2 | 25-55 |
| 4.75 | 1545 | 30.9 | 92.7 | 7.3 | 0-10 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

A.E.E.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

# CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.


Job No.: CQCE/BBMP/RBP/01/2023-24

Date: 05.07.2023

## TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

Agency : **Sri. Raghunath B P(Goutham Construction)** Contractor, Bangalore

Name of the work : Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 $mm^2$

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : $M_{20}$

Compressive Strength as on : 7th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 28.06.2023 | 05.07.2023 | 8.014 | 395.6 | 17.58 |
| 2 | 28.06.2023 | 05.07.2023 | 8.065 | 387.2 | 17.21 |
| 3 | 28.06.2023 | 05.07.2023 | 8.098 | 380.1 | 16.89 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory


Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24

Date: 25.07.2023

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

Agency : **Sri. Raghunath B P(Goutham Construction)** Contractor, Bangalore

Name of the work : Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 $mm^2$

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : $M_{20}$

Compressive Strength as on : 28th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 27.06.2023 | 25.07.2023 | 8.165 | 528.6 | 23.49 |
| 2 | 27.06.2023 | 25.07.2023 | 8.022 | 542.6 | 24.12 |
| 3 | 27.06.2023 | 25.07.2023 | 8.175 | 509.1 | 22.63 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

A.E.E.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory